

Title (en)

WEFT KNITTING MACHINE AND STITCH TRANSFER METHOD FOR SAME

Title (de)

FLACHSTRICKMASCHINE UND DAZUGEHÖRIGES MASCHENÜBERTRAGUNGSVERFAHREN

Title (fr)

MACHINE A TRICOTAGE TRAME ET PROCEDE DE TRANSFERT DE MAILLES POUR CELLE-CI

Publication

EP 2390395 A1 20111130 (EN)

Application

EP 09834370 A 20091217

Priority

- JP 2009006980 W 20091217
- JP 2008335577 A 20081227

Abstract (en)

It is an object of the present invention to provide a flatbed knitting machine and a stitch transferring method thereof in which stitch transferring failures such as stitch drop or split of a knitted loop are prevented from occurring and stable stitch transferring can be performed. In a flatbed knitting machine 10, as shown in (a), a slider 7 of a compound needle 5 at a stitch receiving side is made to start to advance to a needle bed gap 2 before a tip of a hook 6a which is pulled in reaches to a knitted loop 8. As shown in (b), bottoms of tips of tongues 7b are advanced to the knitted loop 8. If the tongues 7b are advanced further, the bottoms of the tips of the tongues 7b are warped upward along the knitted loop 8 as shown in (c). The knitted loop 8 is pushed so as to sink to a needle shank 6b side beyond a downward trajectory 6c of the tip of the hook 6a. When the hook 6a is closed by the tongues 7b, if the tips of the tongues 7b are made to float once with respect to the needle shank 6b, and then, sink, the knitted loop 8 can be reliably sunk and caught in the hook 6a even if the knitted loop 8 floats.

IPC 8 full level

D04B 7/00 (2006.01); **D04B 7/04** (2006.01); **D04B 15/36** (2006.01); **D04B 35/06** (2006.01)

CPC (source: EP KR)

D04B 7/00 (2013.01 - KR); **D04B 7/04** (2013.01 - EP); **D04B 15/36** (2013.01 - KR); **D04B 15/365** (2013.01 - EP); **D04B 35/06** (2013.01 - EP KR)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2390395 A1 20111130; **EP 2390395 A4 20140507**; **EP 2390395 B1 20150304**; CN 102264965 A 20111130; CN 102264965 B 20130911; JP 5414698 B2 20140212; JP WO2010073558 A1 20120607; KR 101387959 B1 20140422; KR 20110105376 A 20110926; WO 2010073558 A1 20100701

DOCDB simple family (application)

EP 09834370 A 20091217; CN 200980152564 A 20091217; JP 2009006980 W 20091217; JP 2010543818 A 20091217; KR 20117013918 A 20091217